IN THE CLAIMS:

- --20. A composition for the oxidation dyeing/of keratin fibers comprising:
- at least one oxidation base chosen from diaminopyrazoles, triaminopyrazoles, and acid-addition salts thereof;
- and at least one coupler chosen from halogenated meta-aminophenols of formula
- (I), and acid addition salts thereof:

$$R_1$$
 R_2 (I) NR_3R_4

in which:

- R_1 and R_2 , which are identical or different, are chosen from a hydrogen atom, a halogen atom, a C_1 - C_4 alkyl radical, a C_1 - C_4 monohydroxyalkyl radical, a C_2 - C_4 polyhydroxyalkyl radical, a C_1 - C_4 alkoxy radical, a C_1 - C_4 monohydroxyalkoxy radical and a C_2 - C_4 polyhydroxyalkoxy radical;

- R_3 and R_4 , which are identical or different, are chosen from a hydrogen atom, a C_1 - C_4 alkyl radical, a C_1 - C_4 monohydroxyalkyl radical, a C_2 - C_4 polyhydroxyalkyl radical and a C_1 - C_4 monoaminoalkyl radical; with the proviso that at least one of said radicals R_1 and R_2 is a halogen atom.

- 21. A composition according to Claim 20, wherein said keratin fibers are human keratin fibers.
- 22. A composition according to Claim 21, wherein said human keratin fibers are human hair.
- 23. A composition according to Claim 20, wherein said composition is in a medium suitable for dyeing.
- 24. A composition according to Claim 20, wherein said halogen atoms are chosen from chlorine, bromine, iodine and fluorine.
- 25. A composition according to Claim 20, wherein said halogenated meta-aminophenols of formula (I) are chosen from 3-amino-6-chlorophenol, 3-(β-aminoethyl)amino-6-chlorophenol, 3-(β-hydroxyethyl)amino-6-chlorophenol and 3-amino-2-chloro-6-methylphenol, and acid addition salts thereof.
- 26. A composition according to Claim 20, wherein said diaminopyrazoles are chosen from:
 - a) diaminopyrazoles of formula (II), and acid addition salts thereof:

innegat, Henderson,
Farabow, Garrett,
8 Dunner, L.L.P.

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in which:

- R_5 is chosen from a hydrogen atom, a C_1 - C_6 alkyl radical, a C_2 - C_4 hydroxyalkyl radical, a benzyl radical, a phenyl radical, a benzyl radical substituted with a halogen atom, a C_1 - C_4 alkyl radical or C_1 - C_4 alkoxy radical, or

 R_5 forms, with the nitrogen atom of the group NR_7R_8 in position 5, a hexahydropyridazine or tetrahydropyrazole heterocycle which is optionally monosubstituted with a C_1 - C_4 alkyl group;

- R_6 and R_7 which are identical or different, are chosen from a hydrogen atom, a C_1 C_4 alkyl radical, a C_2 - C_4 hydroxyalkyl radical, a benzyl radical and a phenyl radical;
- R_8 is chosen from a hydrogen atom, a C_1 - C_6 alkyl radical and a C_2 - C_4 hydroxyalkyl radical;

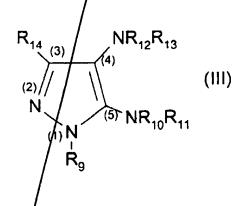
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with the proviso that R_6 is a hydrogen atom when R_5 either is a substituted benzyl radical or forms a heterocycle with the nitrogen atom of the group NR_7R_8 in position 5; and

b) diaminopyrazoles of formula/(III), and acid addition salts thereof:



Cons

in which:

- R_9 , R_{10} , R_{11} , R_{12} and R_{13} , which are identical or different, are chosen from a hydrogen atom; a linear or branched C_1 - C_6 alkyl radical; a C_2 - C_4 hydroxyalkyl radical; a C_2 - C_4 aminoalkyl radical; a phenyl radical; a phenyl radical substituted with a halogen atom or a C_1 - C_4 alkyl, C_1 - C_4 alkoxy, nitro, trifluoromethyl, amino or C_1 - C_4 alkylamino radical; a benzyl radical; a benzyl radical substituted with a halogen atom or with a C_1 - C_4 alkyl, C_1 - C_4 alkoxy, methylenedioxy or amino radical; and a radical

in which m and n are integers, which are identical or different, ranging from 1 to 3 inclusive, X is chosen from an oxygen atom and an NH group, Y is chosen from a hydrogen atom and a methyl radical, and Z is chosen from a methyl radical and a group OR or NRR' in which R and R', which are identical or different, are chosen from a hydrogen atom, a methyl radical and an ethyl radical, with the proviso that when R_{10} is a hydrogen atom, then R_{11} can also be an amino or C_1 - C_4 alkylamino radical,

- R_{14} is chosen from a linear or branched C_1 - C_6 alkyl radical; a C_1 - C_4 hydroxyalkyl radical; a C_1 - C_4 aminoalkyl radical; a $(C_1$ - $C_4)$ alkylamino $(C_1$ - $C_4)$ alkoxymethyl radical; a phenyl radical; a phenyl radical substituted with a halogen atom or with a C_1 - C_4 alkyl, C_1 - C_4 alkoxy, nitro, trifluoromethyl, amino or C_1 - C_4 alkylamino radical; a penzyl radical; a benzyl radical substituted with a halogen atom or with a C_1 - C_4 alkyl, C_1 - C_4 alkoxy, nitro, trifluoromethyl, amino or C_1 - C_4 alkylamino radical; a heterocycle chosen from thiophene, furan and pyridine; and a radical - $(CH_2)_p$ - C_1 - $(CH_2)_q$ - C_1 - C_2 - C_1 - C_2 - C_3 - C_4 -

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different, ranging from 1 to 3 inclusive, and R" is chosen from a hydrogen atom and a methyl radical;

with the provisos that, in formula (III),

- at least one of the radicals R₁₀, R₁₁, R₁₂ and R₁₃ is a hydrogen atom;
- when R₁₀, or R₁₂, respectively, is a substituted or unsubstituted phenyl radical, or a benzyl radical or a radical

$$-(CH_2)_m$$
 \times $-(CH)_n$ \times

then R_{11} , or R_{13} , respectively, is not/a substituted or unsubstituted phenyl radical, or a benzyl radical or a radical

- when R_{12} and R_{13} simultaneously represent a hydrogen atom, then R_9 can form, with R_{10} and R_{11} , a hexahydropyrimidine or tetrahydroimidazole heterocycle which is optionally substituted with a C_1 - C_4 alkyl or 1,2,4-tetrazole radical;
- when R_{10} , R_{11} , R_{12} and R_{13} represent a hydrogen atom or a C_1 - C_6 alkyl radical, then R_9 or R_{14} can also represent a 2-, 3- or 4-pyridyl, 2- or 3-thienyl or 2- or 3-furyl

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FARABOW, GARRETT,
8 DUNNER, L.L.P.
1300 I STREET, N. W.
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heterocyclic residue which is optionally substituted with a methyl radical or a cyclohexyl radical.

27. A composition according to Claim 20, wherein said triaminopyrazoles are chosen from compounds of formula (IV), and acid addition salts thereof:

Cont

in which:

- R_{15} and R_{16} , which are identical or different, are chosen from a hydrogen atom, a C_1 - C_4 alkyl and a C_2 - C_4 hydroxyalkyl radical.
- 28. A composition according to Claim 26, wherein said diaminopyrazoles of formula (II) are chosen from:
- 4,5-diamino-1-(4/methoxybenzyl)pyrazole,
- 4,5-diamino-1-(**∮**'-methylbenzyl)pyrazole,



- 4,5-diamino-1-(4'-chlorobenzyl)pyrazole,
- 4,5-diamino-1-(3'-methoxybenzyl)pyrazole,
- 4-amino-1-(4'-methoxybenzyl)-5-methylaminopyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1-(4'-methoxybenzyl)pyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1-methylpyrazole,
- 4-amino-(3)5-methylaminopyrazole,
- 3-(5)4-diaminopyrazole,
- 4,5-diamino-1-methylpyrazole,
- 4,5-diamino-1-benzylpyrazole,
- 3-amino-4,5,7,8-tetrahydropyrazolo{1,5-a}pyrimidine,
- 7-amino-2,3-dihydro-1H-imidazolo{1,2-b}pyrazole,
- 3-amino-8-methyl-4,5,7,8-tetrahydropyrazolo{1,5-a}pyrimidine, and acid addition salts thereof.
- 29. A composition according to Claim 26, wherein said diaminopyrazoles of formula (III) are chosen from:
- 1-benzyl-4,5-diamino-3-methylpyrazole,
- 4,5-diamino-1-(β-hydroxyethyl)-3-(4'-methoxyphenyl)pyrazole,
- 4,5-diamino-1-(β-hydroxyethyl)-3-(4'-methylphenyl)pyrazole,
- 4,5-diamino-1-(β-hydroxyethyl)-3-(3'-methylphenyl)pyrazole,
- 4,5-diamino-3-methyl-1-isopropylpyrazole,



- 4,5-diamino-3-(4'-methoxyphenyl)-1-isopropylpyrazole,
- 4,5-diamino-1-ethyl-3-methylpyrazole,
- 4,5-diamino-1-ethyl-3-(4'-methoxyphenyl)pyrazole,
- 4,5-diamino-3-hydroxymethyl-1-methylpyrazole,
- 4,5-diamino-1-ethyl-3-hydroxymethylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-isopropylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-tert-butylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-phenylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-(2'-methoxyphenyl)pyrazole,
- 4,5-diamino-3-hydroxymethyl-1-(3'-methoxyphenyl)pyrazole,
- 4,5-diamino-3-hydroxymethyl-1-(4'-methoxyphenyl)pyrazole,
- 1-benzyl-4,5-diamino-3-hydroxymethylpyrazole,
- 4,5-diamino-3-methyl-1-(2'-methoxyphenyl)pyrazole,
- 4,5-diamino-3-methyl-1-(3'-methoxyphenyl)pyrazole,
- 4,5-diamino-3-methyl-1-(4'-methoxyphenyl)pyrazole,
- 3-aminomethyl-4,5-diamino-1-methylpyrazole,
- 3-aminomethyl-4,5-diamino-1-ethylpyrazole,
- 3-aminomethyl-4,5-diamino-1-isopropylpyrazole,
- 3-aminomethyl-4,5-diamino-1-tert-butylpyrazole,
- 4,5-diamino-3-dimethylaminomethyl-1-methylpyrazole,
- 4,5-diamino-3-dimethylaminomethyl-1-isopropylpyrazole,



- 4,5-diamino-3-dimethylaminomethyl-1-tert-butylpyrazole,
- 4,5-diamino-3-ethylaminomethyl-1-methylpyrazole,
- 4,5-diamino-3-ethylaminomethyl-1-ethylpyrazole,
- 4,5-diamino-3-ethylaminomethyl-1-isopropylpyrazole,
- 4,5-diamino-3-ethylaminomethyl-1-tert-butylpyrazole,
- 4,5-diamino-3-methylaminomethyl-1-methylpyrazole,
- 4,5-diamino-3-methylaminomethyl-1-isopropylpyrazole,
- 4,5-diamino-1-ethyl-3-methylaminomethylpyrazole,
- 1-tert-butyl-4,5-diamino-3-methylaminomethylpyrazole,
- 4,5-diamino-3-{(β-hydroxyethyl)aminomethyl}-1-methylpyrazole,
- 4,5-diamino-3-{(β-hydroxyethyl)aminomethyl}-1-isopropylpyrazole,
- 4,5-diamino-1-ethyl-3- $\{(\beta-hydroxyethyl)aminomethyl\}$ pyrazole,
- 1-tert-butyl-4,5-diamino-3- $\{(\beta-hydroxyethyl)aminomethyl\}$ pyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1,3-dimethylpyrazole,
- 4-amino-5-(β -hydroxyethyl)amino-1-isopropyl-3-methylpyrazole,
- 4-amino-5-(β -hydroxyethyl)amino-1-ethyl-3-methylpyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1-tert-butyl-3-methylpyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1-phenyl-3-methylpyrazole,
- $\ 4\text{-}amino-5\text{-}(\beta\text{-}hydroxyethyl) amino-1\text{-}(2\text{-}methoxyphenyl)-3\text{-}methylpyrazole,$
- $\hbox{- 4-amino-5-($\beta$-hydroxyethyl)amino-1-($3$-methoxyphenyl)-3-methylpyrazole,}\\$



- 4-amino-5-(β-hydroxyethyl)amino-1-(4-methoxyphenyl)-3-methylpyrazole,
- 4-amino-5-(β-hydroxyethyl)amino-1-benzyl-3-methylpyrazole,
- 4-amino-1-ethyl-3-methyl-5-methylaminopyrazole,
- 4-amino-1-tert-butyl-3-methyl-5-methylaminopyrazole,
- 4,5-diamino-1,3-dimethylpyrazole,
- 4,5-diamino-3-tert-butyl-1-methylpyrazole,
- 4,5-diamino-1-tert-butyl-3-methylpyrazole,
- 4,5-diamino-1-methyl-3-phenylpyrazole,
- 4,5-diamino-1-(β-hydroxyethyl)-3-methylpyrazole,
- 4,5-diamino-1-(β-hydroxyethyl)-3-phenylpyrazole,
- 4,5-diamino-1-methyl-3-(2'-chlorophenyl)pyrazole,
- 4,5-diamino-1-methyl-3-(4'-chlorophenyl)pyrazole,
- 4,5-diamino-1-methyl-3-(3'-trifluoromethylphenyl)pyrazole,
- 4,5-diamino-1,3-diphenylpyrazole,
- 4,5-diamino-3-methyl-1-phenylpyrazole,
- 4-amino-1,3-dimethyl-5-phenylaminopyrazole,
- 4-amino-1-ethyl-3-methyl-5-phenylaminopyrazole,
- 4-amino-1,3-dimethyl-5-methylaminopyrazole,
- 4-amino-3-methyl-1-isopropyl-5-methylaminopyrazole,
- 4-amino-3-isobutoxymethyl-1-methyl-5-methylaminopyrazole,



- 4-amino-3-methoxyethoxymethyl-1-methyl-5-methylaminopyrazole,
 - 4-amino-3-hydroxymethyl-1-methyl-5-methylaminopyrazole,
 - 4-amino-1,3-diphenyl-5-phenylaminopyrazole,
 - 4-amino-3-methyl-5-methylamino-1-phenylpyrazole,
 - 4-amino-1,3-dimethyl-5-hydrazinopyrazole,
 - 5-amino-3-methyl-4-methylamino-1-phenylpyrazole,
 - 5-amino-1-methyl-4-(N,N-methylphenyl)amino-3-(4'-chlorophenyl)pyrazole,
 - 5-amino-3-ethyl-1-methyl-4-(N,N-methylphenyl)aminopyrazole,
 - 5-amino-1-methyl-4-(N,N-methylphenyl)amino-3-phenylpyrazole,
 - 5-amino-3-ethyl-4-(N,N-methylphenyl)aminopyrazole,
 - 5-amino-4-(N,N-methylphenyl)amino-3-phenylpyrazole,
 - 5-amino-4-(N,N-methylphenyl)amino-3-(4'-methylphenyl)pyrazole,
 - 5-amino-3-(4'-chlorophenyl)-4-(N,N-methylphenyl)aminopyrazole,
 - 5-amino-3-(4'-methoxyphenyl)-4-(N,N-methylphenyl)aminopyrazole,
 - 4-amino-5-methylamino-3-phenylpyrazole,
 - 4-amino-5-ethylamino-3-phenylpyrazole,
 - 4-amino-5-ethylamino-3-(4'-methylphenyl)pyrazole,
 - 4-amino-3-phenyl-5-propylaminopyrazole,
 - 4-amino-5-butylamino-3-phenylpyrazole,
 - 4-amino-3-phenyl-5-phenylaminopyrazole,
 - 4-amino-5-benzylamino-3-phenylpyrazole,



- 4-amino-5-(4'-chlorophenyl)amino-3-phenylpyrazole,
- 4-amino-3-(4'-chlorophenyl)-5-phenylaminopyrazole,
- 4-amino-3-(4'-methoxyphenyl)-5-phenylaminopyrazole,
- 1-(4'-chlorobenzyl)-4,5-diamino-3-methylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-isopropylpyrazole,
- 4-amino-1-ethyl-3-methyl-5-methylaminopyrazole,
- 4-amino-5-(2'-aminoethyl)amino-1,3-dimethylpyrazole, and acid addition salts thereof.
- 30. A composition according to Claim 29, wherein said diaminopyrazoles of formula (III) are chosen from:
- 4,5-diamino-1,3-dimethylpyrazole,
- 4,5-diamino-3-methyl-1-phenylpyrazole,
- 4,5-diamino-1-methyl-3-phenylpyrazole,
- 4-amino-1,3-dimethyl-5-hydrazinopyrazole,
- 1-benzyl-4,5-diamino-3-methylpyrazole,
- 4,5-diamino-3-tert-butyl-1-methylpyrazole,
- 4,5-diamino-1-tert-butyl-3-methylpyrazole,
- 4,5-diamino-1-(β -hydroxyethyl)-3-methylpyrazole,
- 4,5-diamino-1-ethyl-3-methylpyrazole,
- 4,5-diamino-1-ethyl-3-(4'-methoxyphenyl)pyrazole,



- 4,5-diamino-1-ethyl-3-hydroxymethylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-methylpyrazole,
- 4,5-diamino-3-hydroxymethyl-1-isopropylpyrazole,
- 4,5-diamino-3-methyl-1-isopropylpyrazole,
- 4-amino-5-(2'-aminoethyl)amino-1,3-dimethylpyrazole, and acid addition salts thereof.
- 31. A composition according to Claim 27 wherein said triaminopyrazoles of formula (IV) are chosen from 3,4,5-triaminopyrazole, 1-methyl-3,4,5-triaminopyrazole, 3,5-diamino-1-methyl-4-methylaminopyrazole and 3,5-diamino-4-(β-hydroxyethyl)amino-1-methylpyrazole, and acid addition salts thereof.
- 32. A composition according to Claim 20, wherein said at least one oxidation base is present in an amount ranging from 0.0005 to 12% by weight relative to the total weight of the composition.
- 33. A composition according to Claim 32, wherein said at least one oxidation base is present in an amount ranging from 0.005 to 6% by weight relative to the total weight of the composition.
- 34. A composition according to Claim 20, wherein said at least one coupler is present in an amount ranging from 0.0001 to 5% by weight relative to the total weight of the composition.

Cont

35. A composition according to Claim 34, wherein said at least one coupler is present in an amount ranging from 0.005 to 3% by weight relative to the total weight of the composition.

- 36. A composition according to Claim 20, wherein said acid addition salts are chosen from hydrochlorides, hydrobromides, sulphates, tartrates, lactates and acetates.
- 37. A composition according to Claim 23, wherein said medium suitable for dyeing or support comprises water or a mixture of water and at least one organic solvent.
- 38. A composition according to Claim 37, wherein said at least one organic solvent is chosen from C₁-C₄ lower alkanols, glycerol, glycols and glycol ethers, aromatic alcohols and similar products.
- 39. A composition according to Claim 20, wherein said composition has a pH ranging from 3 to 12.
- 40. A composition according to Claim 20, wherein said composition is in the form of a liquid, a cream, or a gel.
- 41. A composition according to Claim 40, wherein said composition is in the form of a liquid, a cream, a gel, or in any other form suitable for dyeing human hair.
 - 42. A method for dyeir g keratin fibers, comprising:

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FINNEGAN, HENDERSON,
FARABOW, GARRETT,
& DUNNER, L. L. P.
1300 I STREET, N. W.
WASHINGTON, D. C. 20005
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(a) applying to said keratin fibers at least one dye composition, which comprises

- at least one oxidation base chosen from diaminopyrazoles, triaminopyrazoles, and acid-addition salts thereof;

- and at least one coupler chosen from halogenated meta-aminophenols of formula

(I), and acid addition salts thereof:

$$R_1$$
 R_2
 NR_3R_4
 (I)

in which:

- R_1 and R_2 , which are identical or different, are chosen from a hydrogen atom, a halogen atom, a C_1 - C_4 /alkyl radical, a C_1 - C_4 monohydroxyalkyl radical, a C_2 - C_4 polyhydroxyalkyl radical, a C_1 - C_4 alkoxy radical, a C_1 - C_4 monohydroxyalkoxy radical and a C_2 - C_4 polyhydroxyalkoxy radical;

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- R₃ and R₄, which are identical or different, are chosen from a hydrogen atom, a C₁-C₄ alkyl radical, a C₁-C₄ monohydroxyalkyl/radical, a C₂-C₄ polyhydroxyalkyl radical and a C₁-C₄ monoaminoalkyl radical; with the proviso that at least one of said radicals R_1 and R_2 is a halogen atom; and

- (b) developing a color at an acidic, neutral or alkaline pH with the aid of an oxidizing agent, wherein said oxidizing agent is added to said at least one dye composition at the time of application of said composition, or wherein said oxidizing agent is present in an oxidizing composition, and wherein said oxidizing composition is applied simultaneously or sequentially with said at least one dye composition.
- A method according to Claim 42, wherein said keratin fibers are 43. human keratin fibers.
- A method according to Claim 43, wherein said human keratin fibers 44. are human hair.
- 45. A method according to Claim 42, wherein said oxidizing agent is chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, and peracids.
- 46. A method according to Claim 45, wherein said persalts are chosen from perborates, percarbonates and persulphates.
- A multi-compartment kit for dyeing keratin fibers, comprising at least 47. two compartments, wherein one compartment comprises an oxidizing composition,

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and another compartment comprises a composition for the oxidation dyeing of keratin fibers, said composition for the oxidation dyeing of keratin fibers comprising:

- at least one oxidation base chosen from diaminopyrazoles, triaminopyrazoles, and acid-addition salts thereof;
- and at least one coupler chosen from hatogenated meta-aminophenols of formula (I), and acid addition salts thereof:

$$R_1$$
 R_2 (I) NR_3R_4

Conta

in which:

- R_1 and R_2 , which are identical or different, are chosen from a hydrogen atom, a halogen atom, a C_1 - C_4 alkyl radical, a C_1 - C_4 monohydroxyalkyl radical, a C_2 - C_4 polyhydroxyalkyl radical, a C_1 - C_4 alkoxy radical, a C_1 - C_4 monohydroxyalkoxy radical and a C_2 - C_4 polyhydroxyalkoxy radical;